

**MATERIAL FOR USE IN A LIGHT-EMITTING DEVICE AND  
HIGHLY EFFICIENT ELECTROLUMINESCENT DEVICE**

**Abstract of the Disclosure**

5

A material is provided that can be used for a light-emitting device. The base unit of said material is tris(8-quinolinolato)aluminum(III) (Alq3). This Alq3 is substituted in the said 3- or 4-position with an electron-donor group and simultaneously in the said 5-position with an electro-acceptor or p-delocalizing group. Using this material as an emitting luminescent layer, the efficiency of the intrinsic luminescence can be greatly enhanced.

10